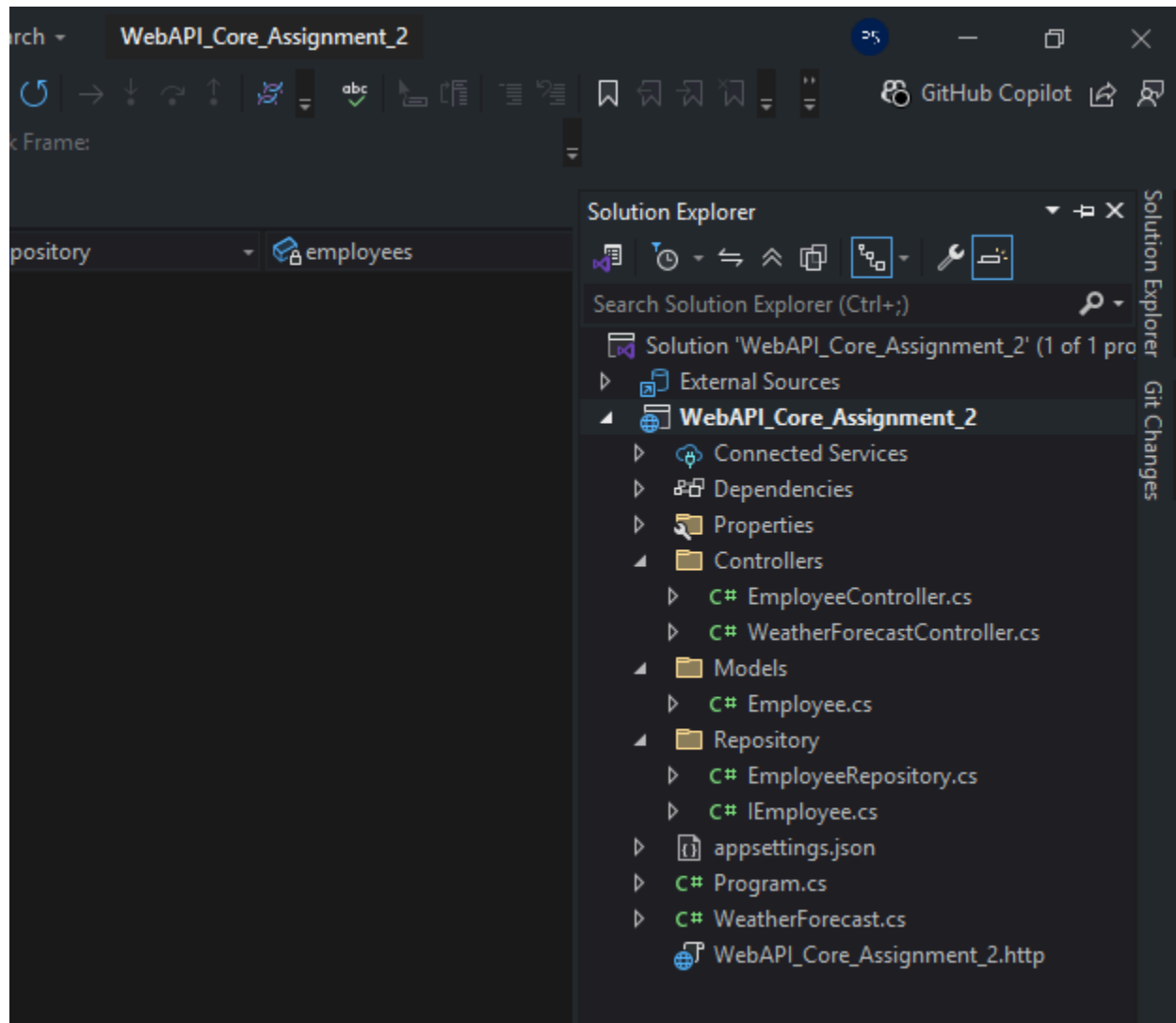


# Assignment 2 (8th October)

## Web API using Asp.net Core, This is my Project Structure



## Output: Getting all Employees

GET /api/Employee

Parameters

No parameters

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7073/api/Employee' \
  -H 'accept: */*'
```

Request URL

https://localhost:7073/api/Employee

Server response

Code Details

200

Response body

```
{
  "id": 1,
  "name": "Suresh",
  "department": "CS",
  "mobile": "9876543210",
  "email": "john.doe@gmail.com"
},
{
  "id": 2,
  "name": "Sathish Ram",
  "department": "HR",
  "mobile": "9113456789",
  "email": "sathish.ram@gmail.com"
},
{
  "id": 3,
  "name": "Ravi",
  "department": "IT",
  "mobile": "9987654321",
  "email": "ravi@gmail.com"
},
{
  "id": 4,
  "name": "Kishore",
  "department": "Finance",
  "mobile": "9999999999",
  "email": "kishore@gmail.com"
}
```

Download

## Output: Getting the employee id

Employee

GET /api/Employee/{id}

Parameters

Try it out

Name Description

Id \*required  
integer(int32) 1  
(path)

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7073/api/Employee/1' \
  -H 'accept: */*'
```

Request URL

https://localhost:7073/api/Employee/1

Server response

Code Details

200

Response body

```
{
  "id": 1,
  "name": "Suresh",
  "department": "CS",
  "mobile": "9876543210",
  "email": "john.doe@gmail.com"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 01 Oct 2025 18:55:48 GMT
server: Restful
```

Responses

Code	Description	Links
200	OK	No links

## Output: Putting the employee

**PUT** /api/Employee/{id}

Parameters

Name	Description
<b>id</b> * required integer(\$int32) (path)	<input type="text" value="1"/>

Request body

```
{
  "id": 101,
  "name": "Bala",
  "department": "EEE",
  "mobileNo": "4928710443",
  "email": "Bala@gmail.com"
}
```

## Output: Deleting Employee

**DELETE** /api/Employee/{id}

Parameters

Name	Description
<b>id</b> * required integer(\$int32) (path)	<input type="text" value="4"/>

[Execute](#)

Responses

Curl

```
curl -X 'DELETE' \
  'https://localhost:7073/api/Employee/4' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:7073/api/Employee/4
```

## Output: Posting Employee

**POST** /api/Employee

**Parameters**

No parameters

**Request body**

```
{
  "id": 4,
  "name": "Harish",
  "department": "CSE",
  "mobileNo": "3188364951",
  "email": "Harish@gmail.com"
}
```

## Output: Getting Employees by department id

**GET** /api/Employee/bydept

**Parameters**

Name	Description
dept string (query)	<input type="text" value="IT"/>

**Execute**

**Responses**

**Curl**

```
curl -X 'GET' \
'https://localhost:7073/api/Employee/bydept?dept=IT' \
-H 'accept: */*'
```

**Request URL**

```
https://localhost:7073/api/Employee/bydept?dept=IT
```

**Server response**

Code	Details
200	<p><b>Response body</b></p> <pre>[   {     "id": 1,     "name": "Pandu",     "department": "IT",     "mobileNo": "9988776655",     "email": "pandu@gmail.com"   } ]</pre>

## Output: Updating employee email using patch

**PATCH** /api/Employee/{id}/email

**Parameters**

Name	Description
<b>id</b> * required integer(\$int32) (path)	<input type="text" value="1"/>

**Request body**

## Output: Checking what are all http methods are allowed using Options

**OPTIONS** /api/Employee

**Parameters**

No parameters

Execute

**Responses**

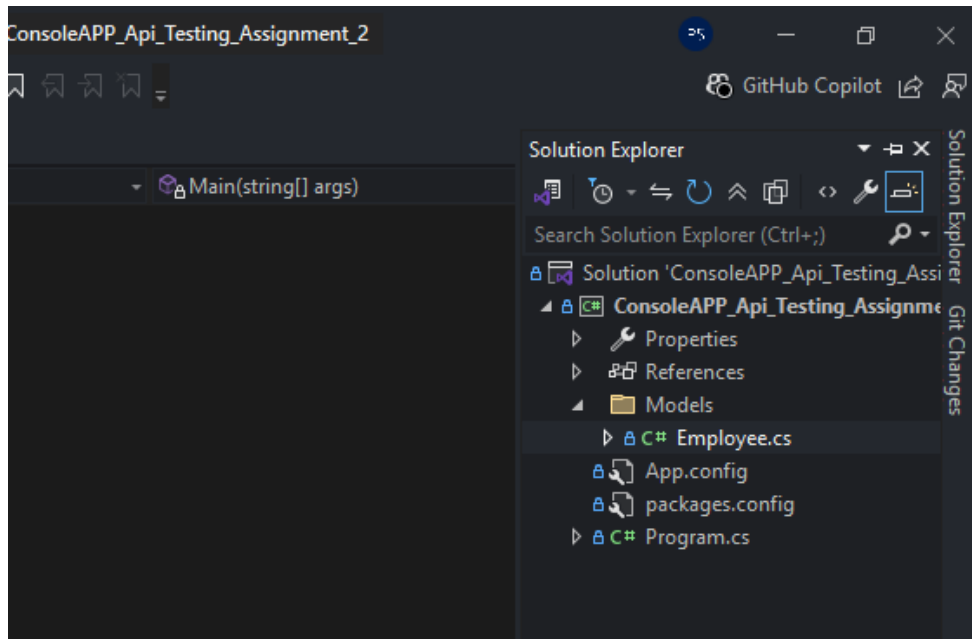
**Curl**  
curl -X 'OPTIONS' \  
 'https://localhost:7073/api/Employee' \  
 -H 'accept: \*/\*'

**Request URL**  
https://localhost:7073/api/Employee

**Server response**

Code	Details
200	<div><b>Response headers</b> allow: GET,POST,PUT,PATCH,DELETE,HEAD,OPTIONS content-length: 0 date: Wed, 08 Oct 2025 11:25:00 GMT server: Kestrel</div>

## Console Application, Making Request for employees data



## Output:

```
View Insert Format Tools Extensions Help
Microsoft Visual Studio Debug Console
Fetching employees from the Web API...
List of Employees from the API:
ID: 1, Name: Saravanan, Department: CSE, Mobile: 9876543210, Email: string
ID: 2, Name: Santhosh Ram, Department: HR, Mobile: 9123456780, Email: Santhosh.ram@gamil.com
ID: 3, Name: Pandu, Department: IT, Mobile: 9988776655, Email: pandu@gamil.com
ID: 4, Name: Kishore, Department: Finance, Mobile: 9090909090, Email: Kishore@gmail.com

C:\Users\Praveen.S3\source\repos\ConsoleAPP_Api_Testing_Assignment_2\ConsoleAPP_Api_Testing_Assignment_2\
leAPP_Api_Testing_Assignment_2.exe (process 25796) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically
le when debugging stops.
Press any key to close this window . . .|
```

**Github Link 1:**

**[https://github.com/praveen-dotnet-chn/WebAPI\\_Core\\_Assignment\\_2](https://github.com/praveen-dotnet-chn/WebAPI_Core_Assignment_2)**

**Github Link 2:**

**[https://github.com/praveen-dotnet-chn/ConsoleApp\\_Api\\_Testing\\_Assignment\\_2](https://github.com/praveen-dotnet-chn/ConsoleApp_Api_Testing_Assignment_2)**